

WHAT IS CLAIMED IS:

1. An arrangement for cutting an optical fiber, comprising a fiber cutter, wherein:  
a motor is provided to operate the fiber cutter, the motor being controlled by a control  
unit to start a cutting movement in response to a start signal to be generated when the fiber is  
located in the fiber cutter; and

5 a detector connected to the control unit is adapted to detect snap off of the fiber and in  
response hereto causes the control unit to generate a stop signal to stop the cutting movement,  
the cutting movement being automatically stopped at a predetermine position of the fiber cutter  
if no fiber snap off is detected.

10 2. The arrangement according to claim 1, wherein the motor is a linear motor.

3. The arrangement according to claim 1, wherein the detector is an acoustic  
detector adapted to detect a snap sound when the fiber snaps off.

15 4. The arrangement according to claim 3, wherein the detector is a microphone.